

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No.	BS100/177618	Total Pages
		<i>First Named Inventor or Application Identifier</i>		
		William M. Seal		
		Express Mail Label No.	EM216270037US	
APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>		ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231		
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Specification Total Pages 1254 <i>(preferred arrangement as set forth below)</i></p> <ul style="list-style-type: none"> - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) -Abstract of the Disclosure <p>3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets] 14</p> <p>4. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages] 4 <ul style="list-style-type: none"> a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with box 17 completed) [Note Box 5 below] i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, See 37 CFR 1.63(d)(2) and 1.33(b) </p> <p>5. <input type="checkbox"/> Incorporation By Reference (<i>usable if Box 4b is checked</i>) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p>				
<p>6. <input type="checkbox"/> Microfiche Computer Program (Appendix)</p> <p>7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)</p> <ul style="list-style-type: none"> a. <input type="checkbox"/> Computer Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identify of above copies 				
ACCOMPANYING APPLICATION PARTS				
<p>8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i></p> <p>10. <input type="checkbox"/> English Translation Document <i>(if applicable)</i></p> <p>11. <input type="checkbox"/> Information Disclosure <input type="checkbox"/> Copies of IDS Statement (IDS)/PTO-1449 Citations</p> <p>12. <input type="checkbox"/> Preliminary Amendment</p> <p>13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i></p> <p>14. <input type="checkbox"/> *Small Entity <input type="checkbox"/> Statement filed in prior Statement application; Status still proper and desired</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(If foreign priority is claimed)</i></p> <p>16. <input type="checkbox"/> Other:</p> <p>.....</p> <p>.....</p>				
<small>* A new statement is required to be entitled to pay small entity fees, except where one has been filed in a prior application and is being relied upon.</small>				
<p>17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____ / _____ Prior application information: Examiner _____ Group/Art Unit _____</p>				
18. CORRESPONDENCE ADDRESS				
<p><input type="checkbox"/> Customer Number or Bar Code Label _____ or <input checked="" type="checkbox"/> Correspondence address below</p>				
Name	John S. Pratt			
	KILPATRICK STOCKTON LLP			
Address	1100 Peachtree Street Suite 2800			
City	Atlanta	State	GA	Zip Code
Country	U.S.A.	Telephone	404.815.6367	Fax
Name (Print/Type)	Geoff L. Sutcliffe			Reg. No.
Signature	<i>Geoff L. Sutcliffe</i>			Date
09/11/98				

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL		Complete if Known			
		Application Number			
		Filing Date		09/11/98	
		First Named Inventor		William M. Seal	
		Group Art Unit			
		Examiner Name			
TOTAL AMOUNT OF PAYMENT	(\$(872.00)	Attorney Docket Number		BS100/177618	

METHOD OF PAYMENT (check one)		FEES CALCULATION (continued)																																																																																																																																																																																	
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:		3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity Code</th> <th>Entity Fee (\$)</th> <th>Small Entity Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English Specification</td><td></td></tr> <tr><td>147</td><td>2520</td><td>147</td><td>2520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920</td><td>112</td><td>920</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1840</td><td>113</td><td>1840</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>950</td><td>217</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1510</td><td>218</td><td>755</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>2060</td><td>228</td><td>1030</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1510</td><td>138</td><td>1510</td><td>Petition to institute a public use hearing</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1320</td><td>241</td><td>660</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1320</td><td>242</td><td>660</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>450</td><td>243</td><td>225</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>670</td><td>244</td><td>335</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>120</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>790</td><td>246</td><td>395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>790</td><td>249</td><td>395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td colspan="4">Other fee (specify) _____</td><td></td><td></td></tr> <tr><td colspan="4">Other fee (specify) _____</td><td></td><td></td></tr> </tbody></table>				Large Entity Code	Entity Fee (\$)	Small Entity Code	Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet		139	130	139	130	Non-English Specification		147	2520	147	2520	For filing a request for reexamination		112	920	112	920	Requesting publication of SIR prior to Examiner action		113	1840	113	1840	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	400	216	200	Extension for reply within second month		117	950	217	475	Extension for reply within third month		118	1510	218	755	Extension for reply within fourth month		128	2060	228	1030	Extension for reply within fifth month		119	310	219	155	Notice of appeal		120	310	220	155	Filing a brief in support of an appeal		121	270	221	135	Request for oral hearing		138	1510	138	1510	Petition to institute a public use hearing		140	110	240	55	Petition to revive - unavoidable		141	1320	241	660	Petition to revive - unintentional		142	1320	242	660	Utility issue fee (or reissue)		143	450	243	225	Design issue fee		144	670	244	335	Plant issue fee		122	130	120	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	240	126	240	Submission of Information Disclosure Statement		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))		149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify) _____						Other fee (specify) _____					
Large Entity Code	Entity Fee (\$)	Small Entity Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																														
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																															
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																															
139	130	139	130	Non-English Specification																																																																																																																																																																															
147	2520	147	2520	For filing a request for reexamination																																																																																																																																																																															
112	920	112	920	Requesting publication of SIR prior to Examiner action																																																																																																																																																																															
113	1840	113	1840	Requesting publication of SIR after Examiner action																																																																																																																																																																															
115	110	215	55	Extension for reply within first month																																																																																																																																																																															
116	400	216	200	Extension for reply within second month																																																																																																																																																																															
117	950	217	475	Extension for reply within third month																																																																																																																																																																															
118	1510	218	755	Extension for reply within fourth month																																																																																																																																																																															
128	2060	228	1030	Extension for reply within fifth month																																																																																																																																																																															
119	310	219	155	Notice of appeal																																																																																																																																																																															
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																																															
121	270	221	135	Request for oral hearing																																																																																																																																																																															
138	1510	138	1510	Petition to institute a public use hearing																																																																																																																																																																															
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																															
141	1320	241	660	Petition to revive - unintentional																																																																																																																																																																															
142	1320	242	660	Utility issue fee (or reissue)																																																																																																																																																																															
143	450	243	225	Design issue fee																																																																																																																																																																															
144	670	244	335	Plant issue fee																																																																																																																																																																															
122	130	120	130	Petitions to the Commissioner																																																																																																																																																																															
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																															
126	240	126	240	Submission of Information Disclosure Statement																																																																																																																																																																															
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																															
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																															
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																															
Other fee (specify) _____																																																																																																																																																																																			
Other fee (specify) _____																																																																																																																																																																																			
		SUBTOTAL (1) \$(870.00)																																																																																																																																																																																	
2. CLAIMS		<table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Fee from</th> <th colspan="2"></th> </tr> <tr> <th colspan="2"></th> <th>Extra</th> <th>Fee from</th> <th>Fee Paid</th> <th></th> </tr> <tr> <th colspan="2"></th> <th></th> <th>below</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>4</td> <td>-20=</td> <td>0</td> <td>x 22</td> <td>\$0.00</td> </tr> <tr> <td>Independent Claims</td> <td>4</td> <td>-3=</td> <td>1</td> <td>x 82</td> <td>\$82.00</td> </tr> <tr> <td>Multiple Dependent Claims</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Fee from						Extra	Fee from	Fee Paid					below			Total Claims	4	-20=	0	x 22	\$0.00	Independent Claims	4	-3=	1	x 82	\$82.00	Multiple Dependent Claims																																																																																																																																															
		Fee from																																																																																																																																																																																	
		Extra	Fee from	Fee Paid																																																																																																																																																																															
			below																																																																																																																																																																																
Total Claims	4	-20=	0	x 22	\$0.00																																																																																																																																																																														
Independent Claims	4	-3=	1	x 82	\$82.00																																																																																																																																																																														
Multiple Dependent Claims																																																																																																																																																																																			
		SUBTOTAL (2) \$(82.00)																																																																																																																																																																																	
*Reduced by Basic Filing Fee Paid SUBTOTAL (3) \$()																																																																																																																																																																																			

SUBMITTED BY							
Typed or printed		Geoff L. Sutcliffe			Complete (if applicable)		
Name		Kilpatrick Stockton LLP			Reg. No.	36,348	
Signature		Geoffrey L. Sutcliffe		Date	09/11/98	Deposit Account User ID	11/0855